

Prompt Bar

The Prompt Bar component is a sophisticated input system designed for modern chat interfaces, AI prompt systems, and messaging applications. It combines a multi-line textarea with customizable action icons, device selection dropdowns, and file attachment capabilities to create a comprehensive input experience.

The `<aava-prompt-bar>` component provides an intuitive interface for users to compose messages, select target devices, attach files, and interact with various input actions through a clean, organized layout.

How to use

Interactive Examples

Explore different prompt bar configurations and features with interactive demos.

Basic Usage

The Prompt Bar provides a unified interface for user text input, actions, and attachments. It supports typing, sending messages, and triggering actions via icons.

Use the basic setup to render the default prompt bar with message input and optional send behavior.

```
import {
  AavaPromptBarComponent,
  PromptIcons,
  DropdownOption,
  uploadedImages,
} from "@aava/play-core";
```

Sizes

```
<aava-prompt-bar placeholder="Type your message here..." [icons]="allIcons">
</aava-prompt-bar>
```

Available Sizes

The Prompt Bar comes in three size variants — sm, md, and lg — allowing flexible adaptation to different layouts.

The size affects the overall height, icon dimensions, textarea rows, and tag scaling. Use smaller sizes for compact UIs and larger ones for more prominent input sections.

- sm (Small) – Slightly larger input for standard compact forms
- md (Medium) – Default size for most use cases (balanced proportions)
- lg (Large) – Larger input for prominent forms or accessibility-focused layouts

Icons & Actions

```
onMessageSent(message: string) {
  console.log('Message sent:', message);
}

allIcons: PromptIcons[] = [
  {
    name: 'paperclip',
    slot: 'icon-start',
    color: 'green',
    visible: true,
    click: () => this.onAttachFile()
  },
  {
    name: 'send',
    slot: 'icon-end',
    color: 'var(--color-text-primary)',
    visible: true,
    click: () => this.onAddImage()
  }
];

onAttachFile() {
  console.log('Attach file clicked');
}

onAddImage() {
  console.log('Add image clicked');
}
```

Prompt Bars can include action icons on both sides of the input field.

Each icon can be interactive — triggering specific actions like attachments, voice input, or emoji selectors.

Icons are customizable with colors, visibility, and click handlers, making it easy to extend the bar's functionality.

File Upload

```

<aa-prompt-bar
  size="sm"
  placeholder="Small prompt bar (2 rows)"
  [icons]="allIcons"
</aa-prompt-bar>

<aa-prompt-bar
  size="md"
  placeholder="Medium prompt bar (3 rows)"
  [icons]="allIcons"
</aa-prompt-bar>

<aa-prompt-bar
  size="lg"
  placeholder="Large prompt bar (4 rows)"
  [icons]="allIcons"
</aa-prompt-bar>

```

You can attach files or images to the prompt bar as tags or image previews.

When `showImage` is enabled, supported image formats (jpg, png, webp, etc.) appear as visual thumbnails, while other files display as tags.

This is ideal for chat interfaces or upload workflows.

States & Configuration

```

allIcons: PromptIcons[] = [
  {
    name: 'paperclip',
    slot: 'icon-start',
    color: 'var(--color-text-primary)',
    visible: true,
    click: () => this.onAttachFile()
  },
  {
    name: 'send',
    slot: 'icon-end',
    color: 'var(--color-text-primary)',
    visible: true,
    click: () => this.onSend()
  }
];

```

The Prompt Bar supports various states such as disabled, and offers configurable options for width, height, placeholder text, and icon layout.

You can also control auto-resizing, selection dropdowns, and behavior for multi-line input. These settings help integrate the component seamlessly into different UI contexts.

Prompt Bar Features

- Multi-line Input : Configurable textarea with adjustable rows
- Customizable Icons : Action icons positioned at start and end slots
- Device Selection : Dropdown for selecting target devices or platforms
- File Attachments : Visual badges for uploaded images with removal
- Size Variants : Four size options (xs, sm, md, lg) for different layouts
- Keyboard Shortcuts : Enter to send, Shift+Enter for new lines
- Responsive Design : Mobile-optimized layout with touch-friendly controls
- Auto-scroll : Automatic scrolling to bottom for new content

Features

Multi-line Text Input

The core of the prompt bar is a flexible textarea:

- Configurable Rows : Set the number of visible rows (default: 3)
- Auto-resize : Textarea adjusts to content while maintaining layout
- Placeholder Text : Customizable placeholder for user guidance
- Input Validation : Built-in validation and error handling
- Accessibility : Full keyboard navigation and screen reader support

Icon System

Flexible icon positioning and interaction:

- Slot-based Layout : Icons can be placed in icon-start or icon-end slots
- Customizable Appearance : Size, color, and visibility controls
- Click Handlers : Custom click functions for each icon
- Conditional Display : Show/hide icons based on context
- Responsive Sizing : Automatic size adjustments based on component size

Device Selection

Integrated dropdown for target device selection:

- Custom Options : Define device types with labels and icons
- Visual Indicators : Icons for each device type
- Responsive Layout : Adapts to available space

- Integration Ready : Seamlessly integrates with existing selection systems
- Accessibility : Full keyboard and screen reader support

File Management

Visual file attachment system:

- Image Badges : Display uploaded images as removable tags
- File Information : Show file size, type, and preview
- Removal Controls : Easy file removal with click interaction
- Responsive Layout : Adapts to different screen sizes
- Visual Feedback : Clear indication of attached files

Size Variants

Four predefined size configurations:

- xs (Extra Small) : Compact layout for tight spaces
- sm (Small) : Standard small layout with balanced proportions
- md (Medium) : Default size with optimal spacing
- lg (Large) : Spacious layout for prominent displays

API Reference

Input Properties

Property	Type	Default	Description
messages	PromptMessage[]	[]	Array of previous messages for context
placeholder	string	'Type a message'	Placeholder text for the input field
disabled	boolean	false	Disable the prompt bar input
icons	PromptIcons[]	[]	Array of icons to display

Property	Type	Default	Description
rows	number	3	Number of visible rows in the textarea
deviceOptions	DropDownOption[]	[]	Options for device selection dropdown
showSelection	boolean	false	Show the device selection dropdown
fileOption	string	"	File upload option configuration
size	'lg' 'md' 'sm' 'xs'	'md'	Size variant for the prompt bar
uploadedImages	uploadedImages[]	[]	Array of uploaded image attachments
width	number	0	Custom width for the prompt bar
height	number	0	Custom height for the prompt bar
textAreaMaxHeight	number	0	Maximum height for the textarea
textAreaAutoResize	boolean	false	Auto-resize textarea based on content

Output Events

Event	Type	Description
messageSent	EventEmitter<string>	Emitted when a message is sent
iconClicked	EventEmitter<{ icon: PromptIcons; currentMessage: string }>	Emitted when an icon is clicked

Interfaces

PromptIcons

DropdownOption

uploadedImages

Methods

Public Methods

Event Handlers

CSS Custom Properties

The prompt bar component uses CSS custom properties for theming:

Container Properties

Property	Default Value	Description
--textbox-background	#ffffff	Background color of the prompt bar
--promptbar-border	1px solid #e2e8f0	Border style of the prompt bar
--promptbar-border-radius	8px	Border radius of the prompt bar
--textbox-textarea-container-padding	16px	Padding for the textarea container
--textbox-gap	12px	Gap between elements

Textarea Properties

Property	Default Value	Description
--textbox-textarea-container-padding	16px	Padding for the textarea
--textbox-gap	12px	Gap between textarea elements

Badge Properties

Property	Default Value	Description
--badge-default-background	#f3f4f6	Background color for badges
--promptbar-text-color	#6b7280	Text color for badges

Responsive Breakpoints

Breakpoint	Description
max-width: 576px	Mobile layout adjustments
max-width: 360px	Small mobile optimizations

Best Practices

Icon Configuration

- Logical Grouping : Group related icons in the same slot
- Consistent Sizing : Use consistent icon sizes within the same component
- Meaningful Colors : Use colors that convey meaning (e.g., green for success)
- Accessibility : Ensure icons have proper alt text and descriptions
- Touch Targets : Maintain adequate touch target sizes for mobile

Device Selection

- Clear Labels : Use descriptive labels for device options
- Relevant Icons : Choose icons that clearly represent each device type
- Logical Ordering : Arrange options in logical order (e.g., Desktop, Tablet, Mobile)
- Default Selection : Provide sensible default device selection

- Validation : Validate device selection before processing

File Management

- File Types : Support common image formats (JPG, PNG, GIF)
- Size Limits : Implement reasonable file size restrictions
- Preview Quality : Provide clear image previews in badges
- Removal Confirmation : Consider confirmation for file removal
- Error Handling : Gracefully handle file upload failures

User Experience

- Keyboard Shortcuts : Provide intuitive keyboard navigation
- Visual Feedback : Clear indication of input states and actions
- Responsive Design : Ensure usability across all device sizes
- Loading States : Show loading indicators for async operations
- Error Messages : Provide helpful error messages and recovery options

Performance

- Icon Optimization : Use optimized icon assets
- Lazy Loading : Load non-critical features on demand
- Event Handling : Efficient event listener management
- Memory Management : Proper cleanup of file references
- Change Detection : Use OnPush strategy for optimal performance